FORMATTED ALIGNMENTS

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                                      10              20                30
FL Dog Cath Protein Met-Stop     M E T Q K D S P S L   G R W S L L L L L L   G L V I T P A A -   S
PR-39 cDNA Translation           M E T Q R A S L C L   G R W S L W L L L L   A L V V P S A S -   A
II37 full length                 M K T Q R N G H S L   G R W S L V L L L L   G L V M P L A I I   A
cramp full length                M Q F Q R D V P S L   W L W R S L S L L L   L L G L G F S Q -   -
Goat Cath-P82018 Bactenecin 5    M E T Q G A S L S L   G R W S L W L L L L   G L V V P L A S -   A
                                 M E T Q R   S   S L   G R W S L   L L L L   G L V     P A I   A

                                      40              50                60
FL Dog Cath Protein Met-Stop     R A L S Y R E A V L   R A V N G F N Q R S   S E E N L Y R L L   Q
PR-29 cDNA Tanslation            Q A L S Y R E A V L   R A V D R L N E Q S   S E A N L Y R L L   E
II37 full length                 Q V L S Y K E A V L   R A I D G I N Q R S   S D A N L Y R L L   D
cramp full length                - T P S Y R D A V L   R A V D D F N Q Q S   L D T N L Y R L L   D
Goat Cath-P82018 Bactenecin 5    Q A L S Y R E A V L   R A V G Q L N E R S   S E A N L Y R L L   E
                                 Q A L S Y R E A V L   R A V D   N Q R S   S E A N L Y R L L

                                      70              80                90
FL Dog Cath Protein Met-Stop     L N S Q P K G D E D   P N I P K P V S F T   V K E T V C P K T   T
PR-39 cDNA Translation           L D Q P P K A D E D   P G T P K P V S F T   V K E T V C P R P   T
II37 full length                 L D P R P T M D G D   P D T P K P V S F T   V K E T V C P R T   T
cramp full length                L D P E P Q G D E D   P D T P K S V R F R   V K E T V C G K A   E
Goat Cath-P82018 Bactenecin 5    L D P A P N D E V D   P G T R K P V S F T   V K E T V C P R T   T
                                 L D P   P     D E D   P     T P K P V S F T   V K E T V C P R T   T

                                      100             110               120
FL Dog Cath Protein Met-Stop     Q Q P L E Q C G F K   D N G L V K Q C E G   T V I L D E D T G   Y
PR-39 cDNA Translation           R Q P P E L C D F K   E N G R V K Q C V G   T V T L N P S I H   S
II37 full length                 Q Q S P E D C D F K   K D G L V K R C M G   T V T L N Q A R G   S
cramp full length                R Q L P E Q C A F K   E Q G V V K Q C M G   A Y T L N P A A D   S
Goat Cath-P82018 Bactenecin 5    Q Q P P E E C D F K   E N G L V K Q C V G   T V T L D P S N D   Q
                                 Q Q P P E   C D F K   E N G L V K Q C   G   T V T L N P           S

                                      130             140               150
FL Dog Cath Protein Met-Stop     F D L N C D S - - I   L Q V K K I D R - -   L K E L I T T G A   Q
PR-39 cDNA Translation           L D I S C N E - I   Q S V R R R P - - -   R P P Y L P R P R   P
II37 full length                 F D I S C D K - - D   N K R F A L L G - -   - D F F R K S K   E
cramp full length                F D I S C N E P G A   Q P F R F K K I S R   L A G L L R K G G   E
Goat Cath-P82018 Bactenecin 5    F D I N C N E - L   Q S V R F R P P I R   R P P I R P - P F   N
                                 F D I S C N E P G   Q   V R             R

                                      160             170               180
FL Dog Cath Protein Met-Stop     K I G K K I R R I G   Q R I K D F L K N L   Q P R - - E E K S   *
PR-39 cDNA Translation           P P F F P P R L P P   R I P P G F P P R F   P P R - - F P G K   R
II37 full length                 K I G K E F K R I V   Q R I K D F L R N L   V P R T E S
cramp full length                K I G E K L K K I G   Q K I K N F F Q K L   V P Q - - P E Q
Goat Cath-P82018 Bactenecin 5    P P F R P P V R P P   F R P P F R P P F R   P P I G P F P G R   R
                                 K I G             R I   Q R I K   F         L         P R       R
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F I G .   1